



U.S. Department of Energy

0062768

**Office of River Protection**

P.O. Box 450  
Richland, Washington 99352

SEP 13 2004

04-ED-075

Mr. Michael A. Wilson, Program Manager  
Nuclear Waste Program  
State of Washington  
Department of Ecology  
3100 Port of Benton Blvd.  
Richland, Washington 99352

**RECEIVED**  
SEP 17 2004

**EDMC**

Dear Mr. Wilson:

SUBMITTAL OF PERMIT DESIGN PACKAGE NO. HLW-005, HLW-011, HLW-016, HLW-022, AND HLW-028, REVISION 0, FOR THE WASTE TREATMENT AND IMMOBILIZATION PLANT (WTP)

Reference: WA7890008967, "Dangerous Waste Portion of the Hanford Facility Resource Conservation and Recovery Act Permit for the Treatment, Storage, and Disposal of Dangerous Waste, Chapter 10 and Attachment 51, 'Waste Treatment and Immobilization Plant.'"

This letter submits the following WTP permit design packages for the State of Washington Department of Ecology (Ecology) approval, in accordance with the Reference:

- HLW-005, Revision 0, "Tank System Ancillary Equipment for HLW Facility (System RLD);"
- HLW-011, Revision 0, "Tank System for HLW Facility El. -21 ft (RLD System);"
- HLW-016, Revision 0, "Miscellaneous Treatment Unit Secondary Containment for HLW Facility El. 37 ft.;"
- HLW-022, Revision 0, "Containment Building (C3 Workshop) for HLW Facility El. 37 ft.;" and
- HLW-028, Revision 0, "Containment Building (Waste Handling Area) for HLW Facility El. 58 ft."

The attached High-Level Waste (HLW) Vitrification Facility permit packages provide the information necessary for Ecology to confirm that the structures, equipment, and processes described in the permit packages will comply with the Reference. This information will allow Ecology to permit the installation of the radioactive liquid waste disposal system vessels and associated ancillary equipment, secondary containment for elevation 37 ft., the C3 workshop containment building on elevation 37 ft., and the waste handling area containment building for the 58 ft. elevation in the HLW Facility.

A summary description of the permit packages is included in Attachment 1. Attachment 2 provides the permit design packages and Attachment 3 provides the Bechtel National, Inc. and

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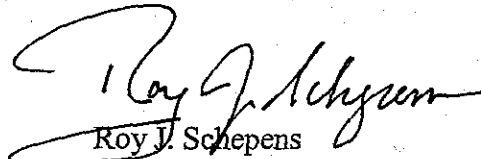
U.S. Department of Energy, Office of River Protection certification statements.

Dangerous Waste Permit (DWP) package submittals are certified coincident with issuance of the integrity assessment report contained in the packages. Permit affecting design changes not included in, or occurring after issuance of, the final integrity assessment report will be processed in accordance with DWP requirements for permit modification prior to construction or installation of affected equipment and components. Installation of equipment and components will be done in accordance with permit packages approved and incorporated into the DWP by Ecology.

Due to the potential sensitivity of the attached engineering information, Ecology is requested to place the data for public review in the standard information repositories, but not provide electronic dissemination of the information.

If you have any questions, please contact me, or your staff may contact Lori A. Huffman, Environmental Division, (509) 376-0104.

Sincerely,



Roy J. Schepens  
Manager

ED:LAH

Attachments: (3)

cc w/attachs:

B. G. Erlandson, BNI

J. P. Henschel, BNI

J. Cox, CTUIR

S. Harris, CTUIR

S. L. Dahl, Ecology

G. P. Davis, Ecology (w/o attachs)

E. A. Fredenburg, Ecology

S. J. Skurla, Ecology (22)

P. Sobotta, NPT

K. Niles, Oregon Energy (w/o attachs)

J. B. Hebdon, RL (w/o attachs)

A. C. McKarns, RL

R. Jim, YN

Administrative Record

Environmental Portal, LMSI